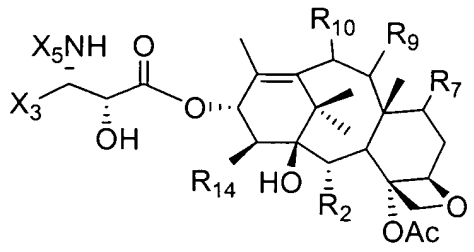
IN THE CLAIMS:

1. (previously amended): A taxane having the formula



wherein

R_2 is acyloxy;

R_7 is $R_{7a}COO$-;

R_{7a} is hydrocarbyl, substituted hydrocarbyl, or heterocyclo wherein said hydrocarbyl or substituted hydrocarbyl contains carbon atoms in the alpha and beta positions relative to the carbon atom of which R_{7a} is a substituent and wherein said substituted hydrocarbyl is substituted with a group selected from halogen, heterocyclo, alkoxy, alkenoxy, alkynoxy, aryloxy, hydroxy, protected hydroxy, acyloxy, nitro, cyano, thiol, ketals, acetals and ethers;

R_9 is keto, hydroxy, or acyloxy;

R_{10} is hydroxy;

R_{14} is hydrido or hydroxy;

X_3 is heterocyclo;

X_5 is $-COX_{10}$, and X_{10} is alkyl, alkenyl, alkynyl or heterocyclo; or

X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, alkenyl, alkynyl or heterocyclo; and

Ac is acetyl.

2. (Original): The taxane of claim 1 wherein R_{7a} is substituted or unsubstituted C_2 - C_8 alkyl, C_2 - C_8 alkenyl or C_2 - C_8 alkynyl.

3. (Previously amended): The taxane of claim 2 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

4. (Previously amended): The taxane of claim 2 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

5. (Previously Amended): The taxane of claim 2 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

6. (Original): The taxane of claim 2 wherein R_{14} is hydrido.

7. (Previously amended): The taxane of claim 6 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

8. (Previously amended): The taxane of claim 6 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

9. (Previously amended): The taxane of claim 6 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

10. (Original): The taxane of claim 2 wherein R_2 is benzoyloxy.

11. (Previously amended): The taxane of claim 10 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

12. (Previously amended): The taxane of claim 10 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

13. (Previously amended): The taxane of claim 10 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

14. (Original): The taxane of claim 2 wherein R_{14} is hydrido and R_9 is keto.

15. (Previously amended): The taxane of claim 14 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

16. (Previously amended): The taxane of claim 14 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

17. (Previously amended): The taxane of claim 14 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

18. (Original): The taxane of claim 2 wherein R_2 is benzoyloxy and R_9 is keto.

19. (Previously amended): The taxane of claim 18 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

20. (Previously amended): The taxane of claim 18 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

21. (Previously amended): The taxane of claim 18 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

22. (Original): The taxane of claim 2 wherein R_{14} is hydrido and R_2 is benzoyloxy.

23. (Previously amended): The taxane of claim 22 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

24. (Previously amended): The taxane of claim 22 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

25. (Previously amended): The taxane of claim 22 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

26. (Original): The taxane of claim 2 wherein R_{14} is hydrido, R_9 is keto, and R_2 is benzoyloxy.

27. (Previously amended): The taxane of claim 26 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

28. (Previously amended): The taxane of claim 26 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

29. (Previously amended): The taxane of claim 26 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

30. (Original): The taxane of claim 1 wherein R_{7a} is C_2 - C_8 alkyl.

31. (Previously amended): The taxane of claim 30 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

32. (Previously amended): The taxane of claim 30 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

33. (Previously amended): The taxane of claim 30 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

34. (Original): The taxane of claim 30 wherein R_{14} is hydrido.

35. (Previously amended): The taxane of claim 34 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

36. (Previously amended): The taxane of claim 34 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

37. (Previously amended): The taxane of claim 34 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

38. (Original): The taxane of claim 30 wherein R_2 is benzoyloxy.

39. (Previously amended): The taxane of claim 38 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

40. (Previously amended): The taxane of claim 38 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

41. (Previously amended): The taxane of claim 38 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

42. (Original): The taxane of claim 30 wherein R_{14} is hydrido and R_9 is keto.

43. (Previously amended): The taxane of claim 42 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

44. (Previously amended): The taxane of claim 42 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

45. (Previously amended): The taxane of claim 42 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

46. (Original): The taxane of claim 30 wherein R_2 is benzoyloxy and R_9 is keto.

47. (Previously amended): The taxane of claim 46 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

48. (Previously amended): The taxane of claim 46 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

49. (Previously amended): The taxane of claim 46 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

50. (Original): The taxane of claim 30 wherein R_{14} is hydrido and R_2 is benzoyloxy.

51. (Previously amended): The taxane of claim 50 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

52. (Previously amended): The taxane of claim 50 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

53. (Previously amended): The taxane of claim 50 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

54. (Original): The taxane of claim 30 wherein R_{14} is hydrido, R_9 is keto, and R_2 is benzoyloxy.

55. (Previously amended): The taxane of claim 54 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

56. (Previously amended): The taxane of claim 54 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

57. (Previously amended): The taxane of claim 54 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

58. (Original): The taxane of claim 1 wherein R_{7a} is ethyl.

59. (Previously amended): The taxane of claim 58 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

60. (Previously amended): The taxane of claim 58 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

61. (Previously amended): The taxane of claim 58 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

62. (Original): The taxane of claim 58 wherein R_{14} is hydrido.

63. (Previously amended): The taxane of claim 62 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

64. (Previously amended): The taxane of claim 62 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

65. (Previously amended): The taxane of claim 62 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

66. (Original): The taxane of claim 58 wherein R_2 is benzoyloxy.

67. (Previously amended): The taxane of claim 66 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

68. (Previously amended): The taxane of claim 66 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

69. (Previously amended): The taxane of claim 66 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

70. (Original): The taxane of claim 58 wherein R_{14} is hydrido and R_9 is keto.

71. (Previously amended): The taxane of claim 70 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

72. (Previously amended): The taxane of claim 70 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

73. (Previously amended): The taxane of claim 70 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

74. (Original): The taxane of claim 58 wherein R_2 is benzoyloxy and R_9 is keto.

75. (Previously amended): The taxane of claim 74 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

76. (Previously amended): The taxane of claim 74 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

77. (Previously amended): The taxane of claim 74 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

78. (Original): The taxane of claim 58 wherein R_{14} is hydrido and R_2 is benzoyloxy.

79. (Previously amended): The taxane of claim 78 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

80. (Previously amended): The taxane of claim 78 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

81. (Previously amended): The taxane of claim 78 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

82. (Original): The taxane of claim 58 wherein R_{14} is hydrido, R_9 is keto, and R_2 is benzoyloxy.

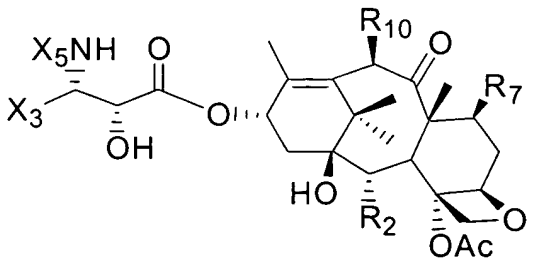
83. (Previously amended): The taxane of claim 82 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

84. (Previously amended): The taxane of claim 82 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

85. (Previously amended): The taxane of claim 82 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

86. - 88. (Canceled).

89. (currently amended): A taxane having the formula



R_2 is benzoyloxy;

R_7 is $R_{7a}COO$-;

R_{10} is hydroxy;

X_3 is heterocyclo;

~~X_5 is $-COX_{10}$, $-COOX_{10}$, or $-CONHX_{10}$;~~

X_5 is $-COX_{10}$, and X_{10} is alkyl, alkenyl, alkynyl or heterocyclo; or

X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, alkenyl, alkynyl or heterocyclo; and

R_{7a} is hydrocarbyl, substituted hydrocarbyl, or heterocyclo wherein said hydrocarbyl or substituted hydrocarbyl contains carbon atoms in the alpha and beta positions relative to the carbon of which R_{7a} is a substituent and wherein said substituted hydrocarbyl is substituted with a group selected from halogen, heterocyclo, alkoxy, alkenoxy, alkynoxy, aryloxy, hydroxy, protected hydroxy, acyloxy, nitro, cyano, thiol, ketals, acetals and ethers; and

Ac is acetyl.

90. (Previously amended): The taxane of claim 89 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

91. (Previously amended): The taxane of claim 90 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

92. (Previously amended): The taxane of claim 90 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

93. (Original): The taxane of claim 89 wherein X_3 is furyl or thienyl.

94. (Previously amended): The taxane of claim 93 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

95. (Previously amended): The taxane of claim 93 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

96. - 101. (Canceled).

102. (Original): The taxane of claim 89 wherein R_{7a} is ethyl or propyl.

103. (Previously amended): The taxane of claim 102 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

104. (Previously amended): The taxane of claim 103 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

105. (Previously amended): The taxane of claim 103 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

106. (Original): The taxane of claim 102 wherein X_3 is furyl or thienyl.

107. (Previously amended): The taxane of claim 106 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

108. (Previously amended): The taxane of claim 106 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

109. - 114. (Canceled).

115. (Previously amended): The taxane of claim 89 wherein X_3 is furyl or thienyl, R_{7a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is iso-butenyl.

116. (Previously amended): The taxane of claim 89 wherein X_3 is substituted furyl, R_{7a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

117. (Previously amended): The taxane of claim 89 wherein X_3 is substituted thienyl, R_{7a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

118. - 121. (Canceled).

122. (Original): A pharmaceutical composition comprising the taxane of claim 1 and at least one pharmaceutically acceptable carrier.

123. (Previously amended): The pharmaceutical composition of claim 122 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

124. (Previously amended): The pharmaceutical composition of claim 123 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

125. (Previously amended): The pharmaceutical composition of claim 123 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

126. (Original): The pharmaceutical composition of claim 122 wherein R_{7a} is ethyl or propyl.

127. (Previously amended): The pharmaceutical composition of claim 126 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

128. (Previously amended): The pharmaceutical composition of claim 127 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted methyl, ethyl, n-propyl, iso-propyl, cyclopropyl, n-butyl, iso-butyl, sec-butyl, cyclobutyl, n-pentyl, iso-pentyl, tert-pentyl, sec-pentyl, cyclopentyl, n-hexyl, iso-hexyl, sec-hexyl, tert-hexyl, cyclohexyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

129. (Previously amended): The pharmaceutical composition of claim 127 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

130. (Previously amended): The pharmaceutical composition of claim 123 wherein X_3 is furyl or thienyl, R_{7a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

131. (Previously amended): The pharmaceutical composition of claim 123 wherein X_3 is substituted or unsubstituted furyl, R_{7a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

132. (Previously amended): The pharmaceutical composition of claim 123 wherein X_3 is substituted or unsubstituted thienyl, R_{7a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

133. - 134. (Canceled).

135. (Previously amended): The pharmaceutical composition of claim 123 wherein X_3 is 2-furyl or 2-thienyl, R_{7a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

136. (Previously amended): The pharmaceutical composition of claim 123 wherein X_3 is 2-furyl, R_{7a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

137. (Previously amended): The pharmaceutical composition of claim 123 wherein X_3 is 2-thienyl, R_{7a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

138. - 139. (Canceled).

140. (Original): A composition for oral administration comprising the taxane of claim 1 and at least one pharmaceutically acceptable carrier.

141. (Previously amended): The composition of claim 140 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

142. (Previously amended): The composition of claim 140 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

143. (Original): The composition of claim 140 wherein R_{7a} is ethyl or propyl.

144. (Previously amended): The composition of claim 143 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

145. (Previously amended): The composition of claim 144 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

146. (Previously amended): The composition of claim 144 wherein X_3 is furyl, or thienyl, R_{7a} is ethyl, and X_5 is $-COX_{10}$ wherein X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

147. (Canceled).

148. (Previously amended): The composition of claim 146 wherein X_3 is 2-furyl or 2-thienyl, R_{7a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is iso-propyl or X_5 is $-COX_{10}$ and X_{10} is iso-butenyl.

149. (Previously amended): The composition of claim 148 wherein X_3 is 2-furyl, R_{7a} is ethyl, X_5 is $-COX_{10}$ and X_{10} is iso-butenyl.

150. (Previously amended): The composition of claim 148 wherein X_3 is 2-thienyl, R_{7a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

151. - 152. (Canceled).

153. (Original): A method of inhibiting tumor growth in a mammal, said method comprising orally administering a therapeutically effective amount of a pharmaceutical composition containing the taxane of claim 1 and at least one pharmaceutically acceptable carrier.

154. (Previously amended): The method of claim 153 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

155. (Previously amended): The method of claim 154 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

156. (Original): The method of claim 153 wherein R_{7a} is ethyl or propyl.

157. (Previously amended): The method of claim 156 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

158. (Previously amended): The method of claim 157 wherein X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

159. (Previously amended): The method of claim 153 wherein X_3 is furyl or thienyl, R_{7a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is iso-butenyl, or X_5 is $-COOX_{10}$ and X_{10} is iso-propyl.

160. (Canceled).

161. (Previously amended): The method of claim 159 wherein X_3 is 2-furyl or 2-thienyl, R_{7a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is iso-propyl or X_5 is $-COX_{10}$ and X_{10} is iso-butenyl.

162. (Previously amended): The method of claim 161 wherein X_3 is 2-furyl, R_{7a} is ethyl, X_5 is -COX_{10} and X_{10} is iso-butenyl.

163. (Previously amended): The method of claim 159 wherein X_3 is 2-thienyl, R_{7a} is ethyl, X_5 is -$COOX_{10}$ and X_{10} is iso-propyl.

164. - 165. (Canceled).

166. (Original): A method of inhibiting tumor growth in a mammal, said method comprising orally administering a therapeutically effective amount of a pharmaceutical composition containing the taxane of claim 89 and at least one pharmaceutically acceptable carrier.

167. (Previously amended): The method of claim 166 wherein X_3 is furyl or thienyl, R_{7a} is ethyl, X_5 is -COX_{10} and X_{10} is iso-butenyl, or X_5 is -$COOX_{10}$ and X_{10} is iso-propyl.

168. (Original): A pharmaceutical composition comprising the taxane of claim 89 and at least one pharmaceutically acceptable carrier.

169. (Original): A pharmaceutical composition comprising the taxane of claim 93 and at least one pharmaceutically acceptable carrier.